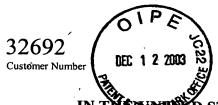
Patent

Case No.: 57070US037



### HEMILIE STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:

CROOKS, STEPHEN L.

Application No.:

10/681457

Group Art Unit:

Unknown

Filed:

October 7, 2003

Examiner:

Unknown

Title:

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#### <u>INFORMATION</u> DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents,

P.O. Box 1450, Alexandria, VA 22313-1450 on:

Date

Signed by: Renee A. Wolff

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

Date

Dean A. Ersfeld, Reg. No.: 46,689 Telephone No.: (651) 733-7830

Office of Intellectual Property Counsel 3M Innovative Properties Company Facsimile No.: 651-736-3833

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Page 1 of 4

Application Number	10/681,457	
Filing Date	October 7, 2003	
First Named Inventor	Stephen L. Crooks	
Art Unit	Unknown	
Examiner Name	Unknown	
Attorney Case Number	57070US037	

TRATE	TO A TOTAL	SH2	U.S. Patent	Documents	
Exam. Init.*	Cite No.	Document Number  Doc. Number-(Kind Code if Known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US- 3,314,941	04-18-1967	Littell et al.	
	A2	US- 4,689,338	08-25-1987	John F. Gerster	
	A3	US- 4,698,348	10-06-1987	John F. Gerster	
·	A4	US- 4,929,624	05-29-1990	Gerster et al.	
-,	A5	US- 4,988,815	01-29-1991	Andre et al.	
	A6	US- 5,037,986	08-06-1991	John F. Gerster	
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	A8	US- 5,238,944	08-24-1993	Wick et al.	
	A9	US- 5,266,575	11-30-1993	John F. Gerster	
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	A14	US- 5,389,640	02-14-1995	Gerster et al.	
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	A19	US- 5,741,908	04-21-1998	Gerster et al.	
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	A25	US- 6,110,929	08-29-2000	Gerster et al.	
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**Date Considered:** 

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(Use as many sheets as necessary)

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Application Number	10/681,457		
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Attorney Case Number	57070US037		

	U.S. Patent Documents					
Exam.	Cite	Document Number	Publication Date or Issue Date	Name of Patentee	Pages, Columns, Lines, Where Relevant Passages or Relevant	
init.*	No.	Doc. Number-(Kind Code if Known)	MM-DD-YYYY	or Applicant of Cited Document	Figures Appear	
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	A35	US- 6,541,485	04-01-2003	Crooks et al.		
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	A40	US- 6,656,938	12-02-2003	Crooks et al.		
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	B1	PCT	WO 01/74343	10-11-2001			
	B2	PCT	WO 02/36592	05-10-2002			Х
	В3	PCT	WO 02/46188	06-13-2002			
	B4	PCT	WO 02/46189	06-13-2002			
	B5	PCT	WO 02/46190	06-13-2002			
	В6	PCT	WO 02/46193	06-13-2002			
	В7	PCT	WO 02/46749	06-13-2002			
	B8	PCT	WO 02/102377	12-27-2002			
	В9	PCT	WO 03/020889 .	03-13-2003			
	B10	PCT	WO 03/043572	05-30-2003			
	B11	PCT	WO 03/045391	06-05-2003			
	B12	JP	9-208584	08-12-1997			

Date Considered:

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Init.*	No.	Ctry. Code	Number-KindCode (If known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	(Check if yes)
1	B13	JP	9-255926	03-26-1999			Х
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)	B15	JP	2000-247884 (abs)	09-12-2000			Х
	B16	EP	0 394 026 <i>j</i>	10-24-1990			
	B17	EP	1 104 764 /	06-06-2001			

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
	C1	Wozniak, et al, "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate <sup>1,2</sup> . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983.			
	C2	Brennan, et al, "Automated Bioassay of Interferons in Micro-test Plates", <u>Biotechniques</u> , June/July, 78, 1983.			
	C3	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.			
	C4 Bachman, et al, "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino Chloroquinoline", J. Org. Chem, 15, pp 1278-1284 (1950).				
	C5	Jain, et al, "Chemical and Pharmacological Investigations of Some ω-Substituted Alkylamino-3-aminopyridines", J. Med. Chem., 11, pp 87-92 (1968).			
	C6	Baranov, et al., <u>Chem. Abs.</u> 85, 94362, (1976).			
	C7	Berényi, et al, "Ring Transformation of Condensed Dihydro-as-triazines", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981).			
	C8	Chollet, et al, "Development of a Topically Active Imiquimod Formulation", Pharmaceutical Development and Technology, 4(1), pp 35-43 (1999)			
	C9	Izumi, et al., "1 <i>H</i> -Imidazo[4,5- <i>c</i> ]quinoline Derivatives as Novel Potent TNF-α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1 <i>H</i> -imidazo[4,5- <i>c</i> ]pyridines", Bioorganic & Medicinal Chemistry, 11, pp 2541-2550 (2003)			
	C10	Sidky etal., "Inhibition of Murine Tumor Growth by an Interferon-inducing Imidazoquinolinamine", Cancer Research, 52, 3528-3533, July 1, 1992.			
	C11	R.L. Miller et al., "Imiquimod applied topically: a novel immune response modifier and new class of drug", International Journal of Immunopharmacology, 21, 1-14 (1999).			
	C12	Karl R. Beutner, MD, et al., "Therapeutic response of basal cell carcinoma to the immune response modifier imiquimod 5% cream", <u>J.Am.Acad.Dermatol.</u> , Volume 41, Number 6, 1002-1007 (December 1999).			

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MAD	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
-	C13	Davis et al., "Self-Administered Topical Imiquimod Treatment of Vulvar Intraepithelial Neoplasia", Journal of Reproductive Medicine, Volume 45, Number 8, 619-623, (August 2000).	
	C14	Alexander Steinmann et al., "Topical Imiquimod Treatment of a Cutaneous Melanoma Mestasis", J.Am.Acad.Dermatol., Letters, 555-556 (September 2000).	

*Examiner
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